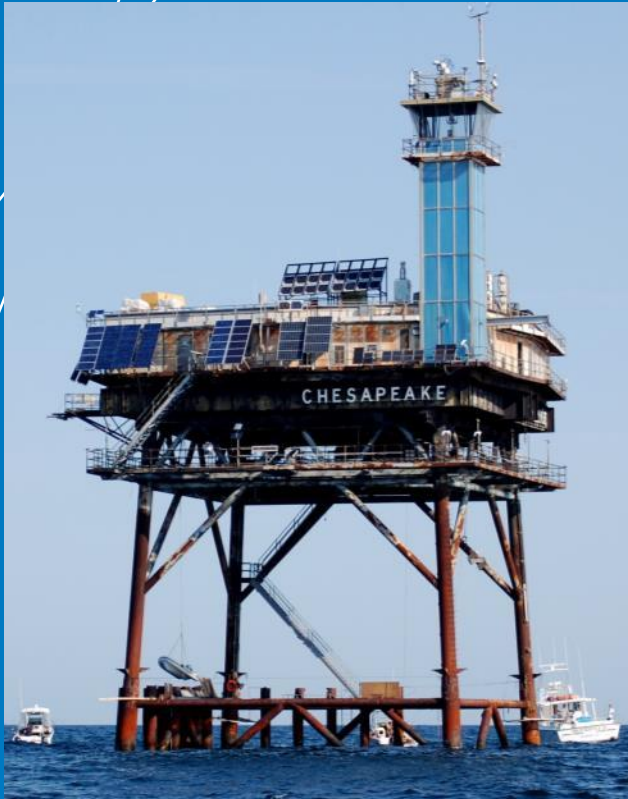


Chesapeake Light Tower



NREL
Jim Green

June, 2015

Chesapeake Lightship



History

- **Lightship deployed in 1930 marking the entrance to Chesapeake Bay**
- **Replaced in 1965 by the Chesapeake Light Tower**
 - One of six “Texas Towers” along the East Coast, built in 1965; the only one still in service
 - Initially staffed full time; automated in 1980
 - ~13 mi (22 km) from VA shore
 - Water depth ~ 45 ft (13.7 m)
- **Other federal agencies using the tower**
 - NASA meteorology research since 1997 (NASA Langley)
 - Coast Guard: aids to navigation
 - U.S. Navy and Army: fly-by only for helicopter pilot training
 - Formerly: NOAA National Data Buoy Center, Station CHLV2

Chesapeake Light Tower



Chesapeake Light Tower

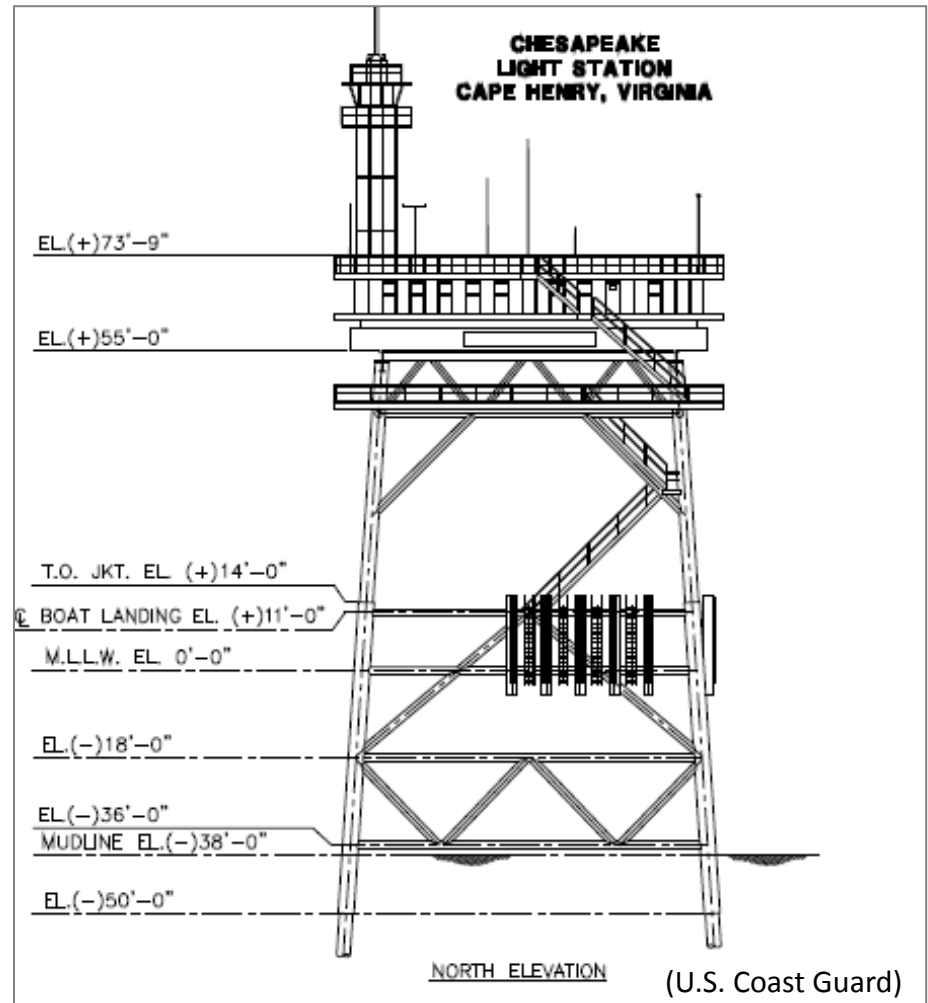
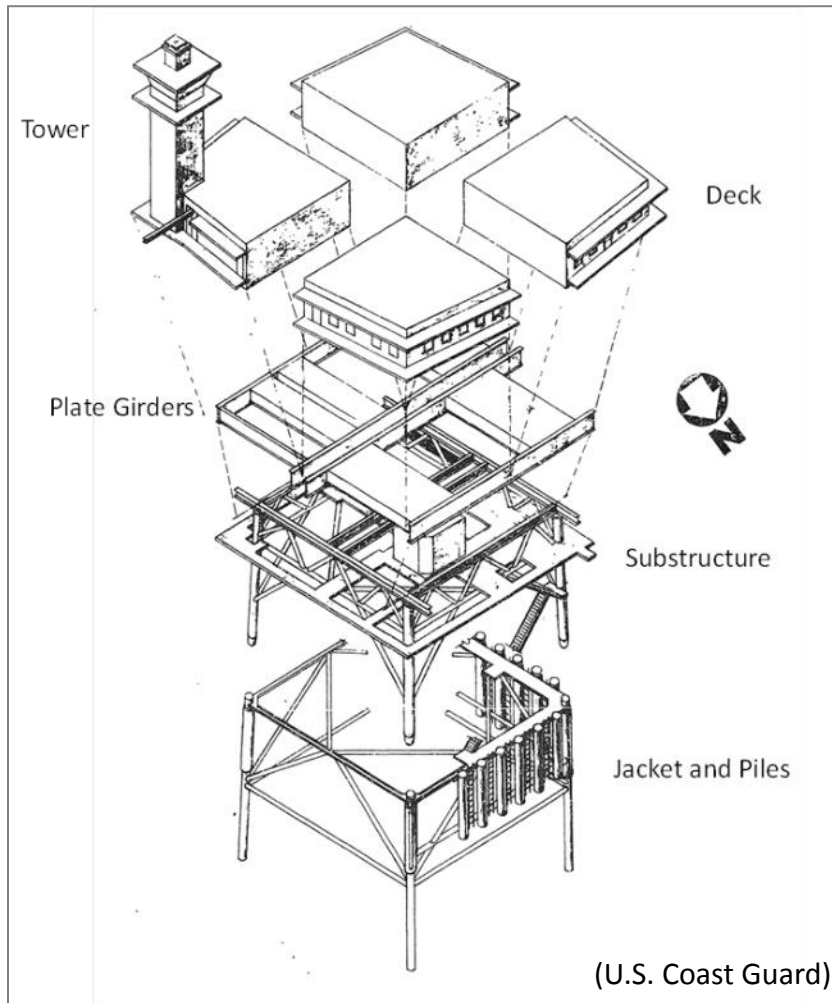


24Oct12

Platform Overview



Structural Detail & Nomenclature



Helicopter Deck



Hallway Views



Typical Bunkroom



Radio Room



Common Room



Galley



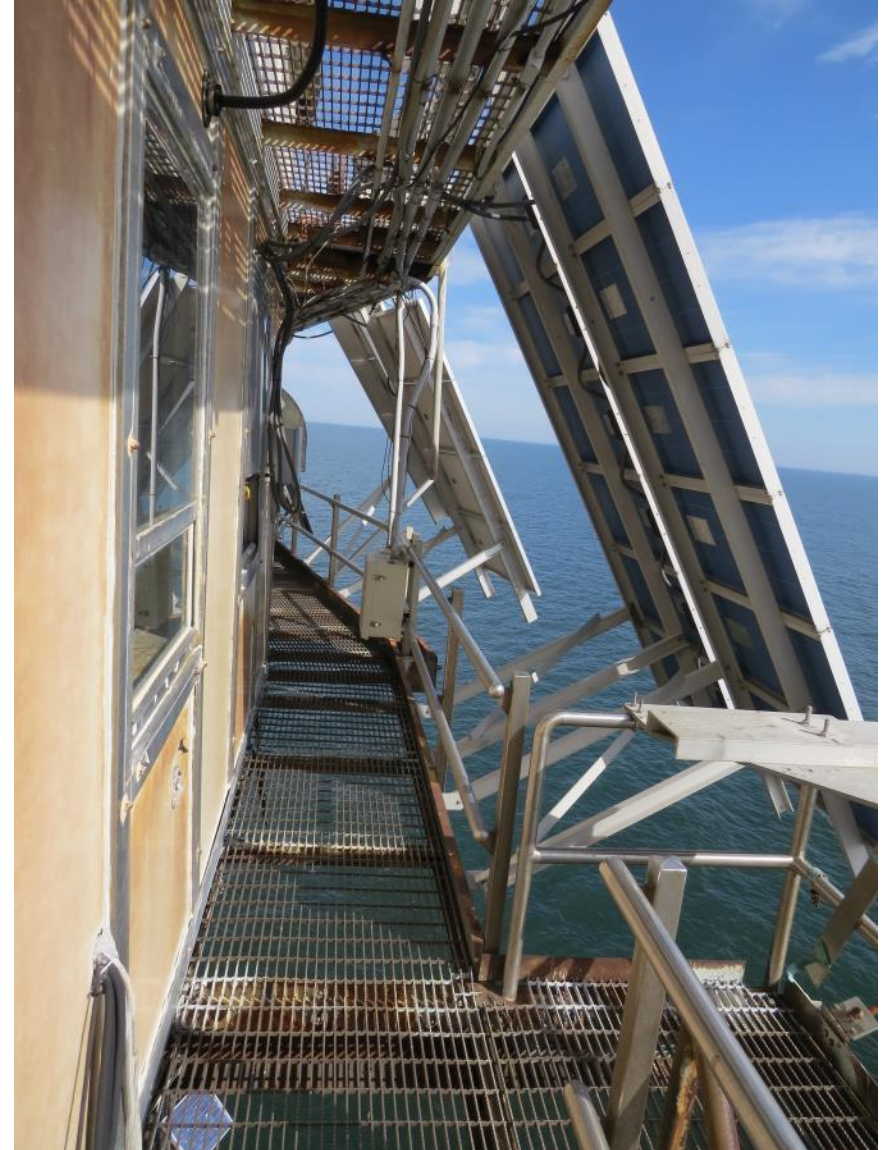
Generator Room



Lantern Room



Quarters Deck Catwalks



Maintenance Deck



View Down From Maintenance Deck



View From Below

